

## Claims

We claim:

1. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts in which the substrate is a column sintered from metal grains and there are many connected micro-pores between the grains and many through-holes between the two end faces of the column.  
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2. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 1 in which metal grains are made of heat resistant alloys.  
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3. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 1 in which the diameter of metal grains is 5-80 $\mu$ m.
4. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 1 in which the  
15 apparent density of the substrate is 0.5-2.0 g/cm<sup>3</sup>.
5. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 1 in which the number of through-holes in the column is 200-600 per square inch.
- 20 6. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 3 in which the

diameter of metal grains is 30-50 $\mu$ m

7. A porous metallic honeycomb substrate for automotive exhaust gas cleaning catalysts as set forth in claim 5 in which the number of through-holes in the column is 300-400 per square inch.

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